

## 2011 AGENDA

### **Panel: Visual Impairment and Intracranial Hypertension: An emerging spaceflight risk** Abstract

Title: Medical Operations Requirements and Mitigations

Author: Dr. Terrance Taddeo, [terrance.a.taddeo@nasa.gov](mailto:terrance.a.taddeo@nasa.gov), Johnson Space Center, Medical Operations, Mail Code SD2, Houston TX 77058

**Introduction:** During recent long duration missions to the International Space Station (ISS) crewmembers have reported changes in visual acuity or visual field defects. Exams in the postflight period revealed changes to the visual system and elevated intracranial pressures. As a result, NASA Space Medicine has added a number of tests to be performed in the preflight, inflight and postflight periods for ISS and shuttle missions with the goal of determining the processes at work and any potential mitigation strategies.

This discussion will acquaint you with the changes that NASA has made to its medical requirements in order to address the microgravity induced intracranial hypertension and associated visual changes.

Key personnel have been assembled to provide you information on this topic.

#### **Educational Objectives:**

Provide an overview of the current Medical Operations requirements and the mitigation steps taken to operationally address the issue.